

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081917\
 Data File : BF097883.D
 Acq On : 19 Aug 2017 17:15
 Operator : SJ/JU
 Sample : I4846-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PI-4(25)

Quant Time: Aug 21 02:40:51 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

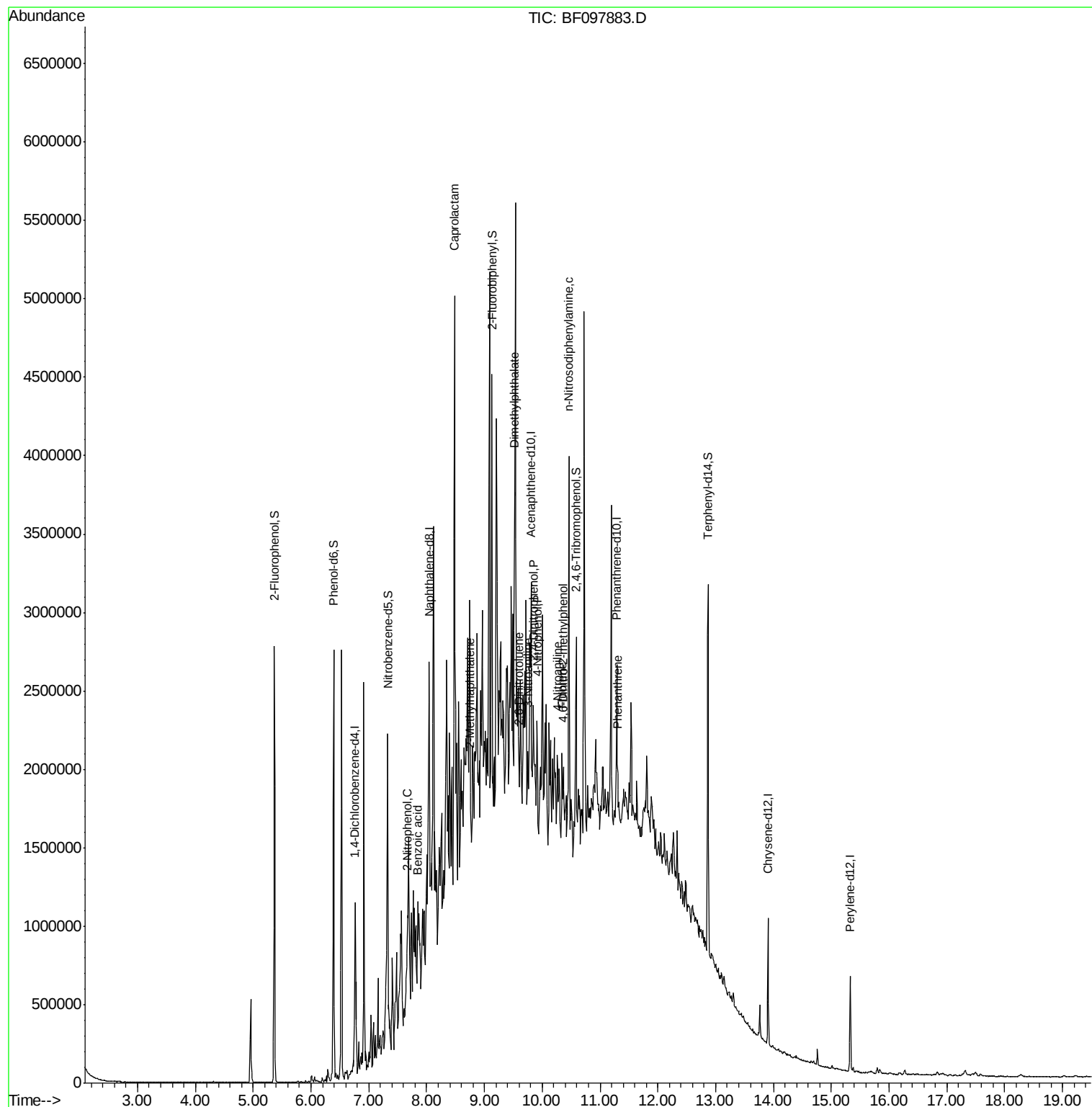
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	140270	20.00	ng	-0.02
21) Naphthalene-d8	8.05	136	529908	20.00	ng	-0.02
38) Acenaphthene-d10	9.80	164	235169	20.00	ng	-0.02
63) Phenanthrene-d10	11.28	188	421019	20.00	ng	-0.02
75) Chrysene-d12	13.91	240	284173	20.00	ng	-0.03
86) Perylene-d12	15.33	264	261259	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	817451	88.64	ng	-0.02
7) Phenol-d6	6.40	99	1134236	90.52	ng	-0.01
23) Nitrobenzene-d5	7.33	82	749107	76.80	ng	-0.02
41) 2,4,6-Tribromophenol	10.59	330	206593	101.25	ng	-0.02
44) 2-Fluorobiphenyl	9.13	172	1030403	64.37	ng	-0.02
78) Terphenyl-d14	12.87	244	781265	57.33	ng	-0.02
Target Compounds						
26) 2-Nitrophenol	7.67	139	3416	6.03	ng	# 1
32) Benzoic acid	7.84	122	6894	7.37	ng	# 10
35) Caprolactam	8.49	113	120263	50.38	ng	# 84
37) 2-Methylnaphthalene	8.76	142	93067	5.52	ng	# 95
49) Dimethylphthalate	9.52	163	126540	7.36	ng	# 82
50) 2,6-Dinitrotoluene	9.60	165	7190	2.10	ng	# 68
52) 3-Nitroaniline	9.76	138	8944	2.02	ng	# 28
53) 2,4-Dinitrophenol	9.85	184	149	10.22	ng	# 1
55) 4-Nitrophenol	9.90	139	15037	4.26	ng	# 1
57) Fluorene	10.35	166	38833	2.39	ng	# 85
61) 4-Nitroaniline	10.26	138	12701	3.02	ng	# 95
64) 4,6-Dinitro-2-methylphenol	10.37	198	1297	8.86	ng	# 1
65) n-Nitrosodiphenylamine	10.46	169	55899	3.90	ng	# 46
70) Phenanthrene	11.30	178	55416	2.47	ng	# 86

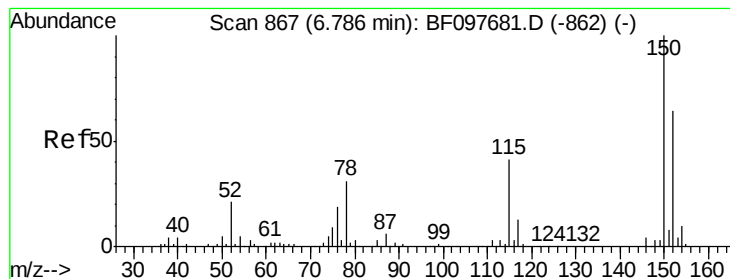
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 795

Delta R.T. -0.02 min

Lab File: BF097883.D

Acq: 19 Aug 2017 17:15

Instrument :

BNA_F

ClientSampleId :

PI-4(25)

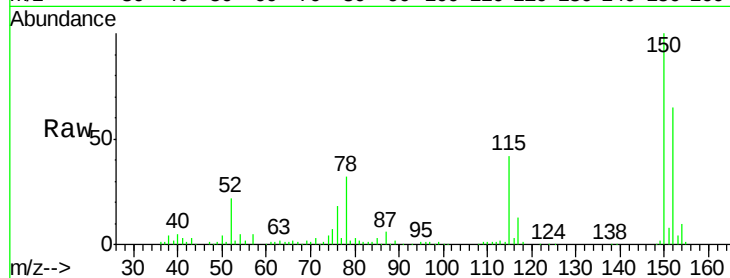
Tot Ion:152 Resp: 140270

Ion Ratio Lower Upper

152 100

150 154.0 126.2 189.2

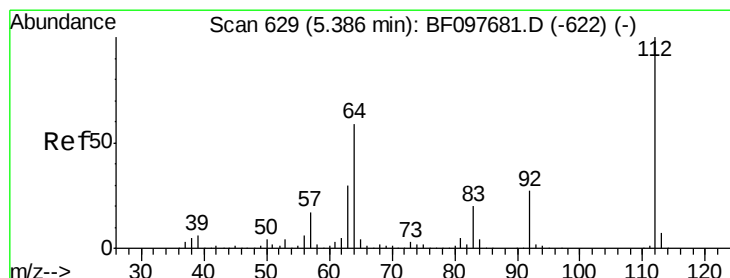
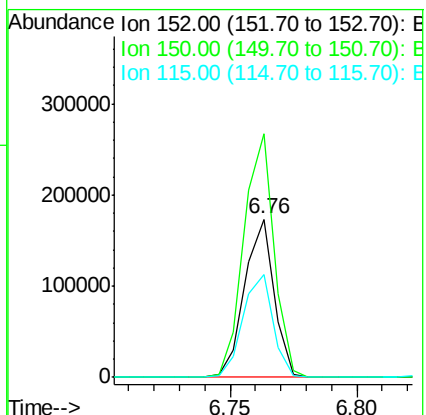
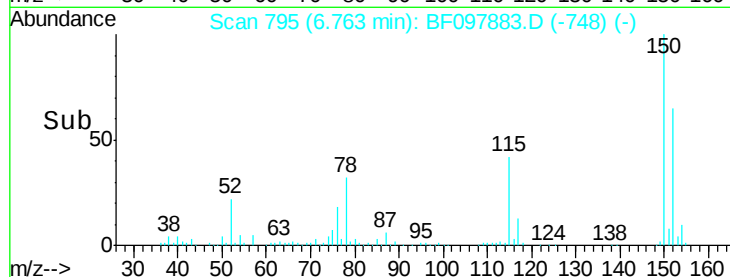
115 64.9 52.2 78.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 88.64 ng

RT: 5.37 min Scan# 558

Delta R.T. -0.02 min

Lab File: BF097883.D

Acq: 19 Aug 2017 17:15

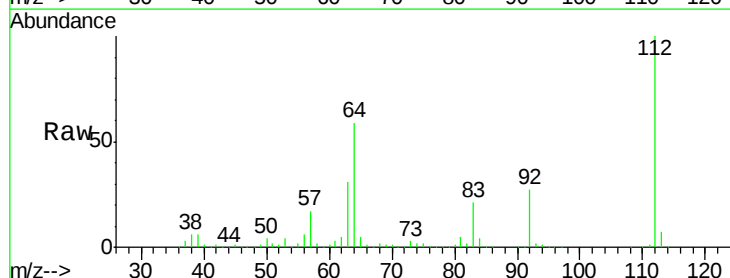
Tgt Ion:112 Resp: 817451

Ion Ratio Lower Upper

112 100

64 59.5 46.0 69.0

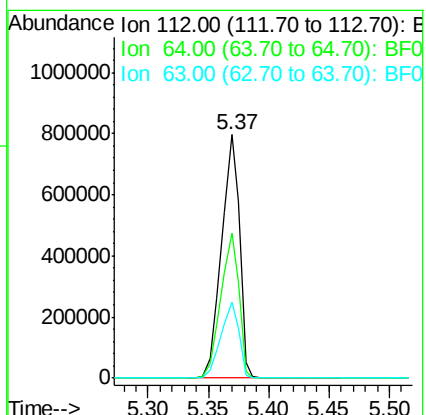
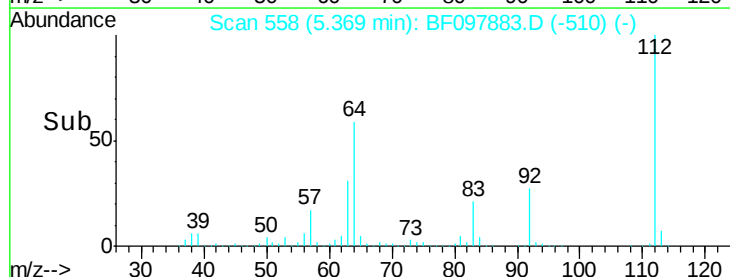
63 30.9 23.4 35.0

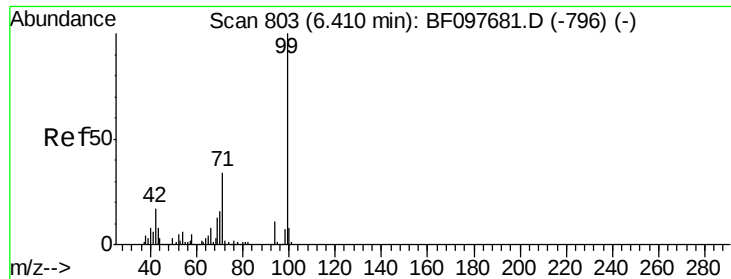


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 90.52 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF097883.D

Acq: 19 Aug 2017 17:15

Instrument :

BNA_F

ClientSampleId :

PI-4(25)

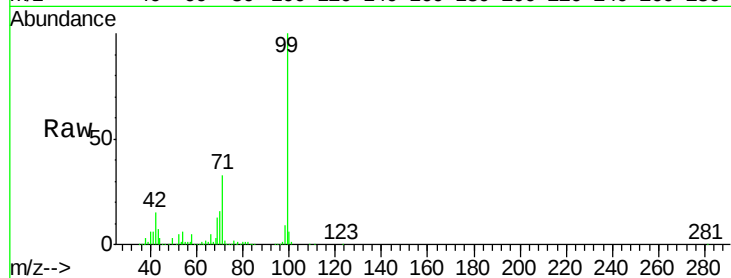
Tot Ion: 99 Resp: 1134236

Ion Ratio Lower Upper

99 100

42 15.5 13.5 20.3

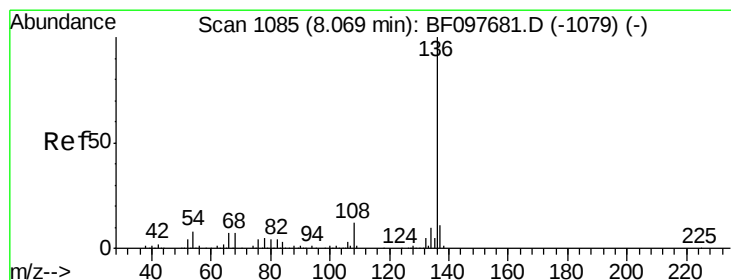
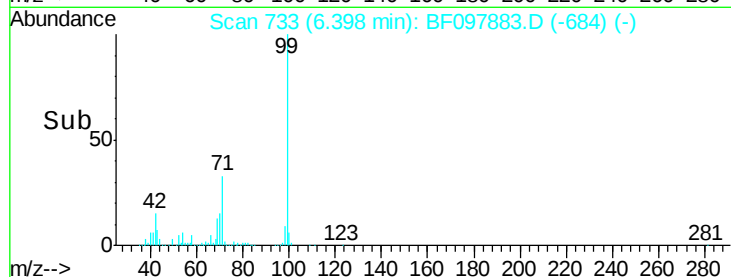
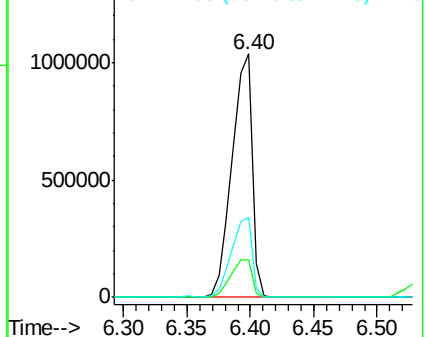
71 32.9 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 1013

Delta R.T. -0.02 min

Lab File: BF097883.D

Acq: 19 Aug 2017 17:15

Tgt Ion: 136 Resp: 529908

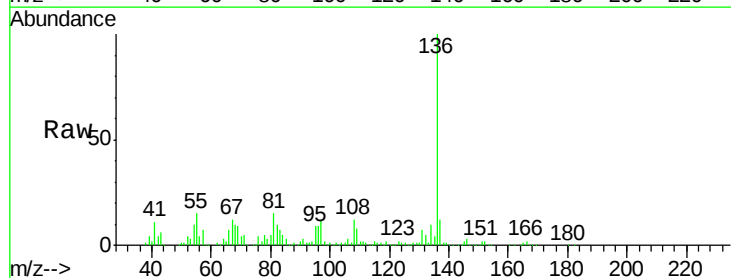
Ion Ratio Lower Upper

136 100

137 12.0 8.5 12.7

54 9.8 4.9 7.3#

68 10.4 4.1 6.1#

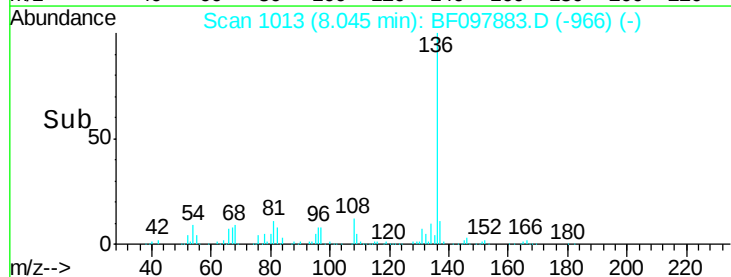
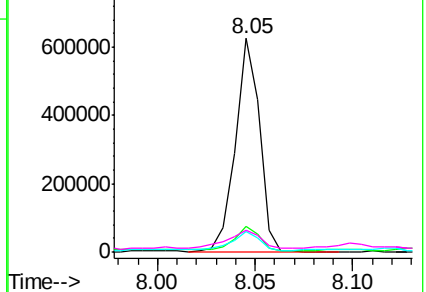


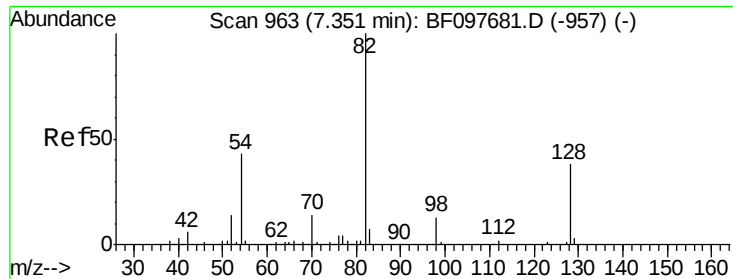
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

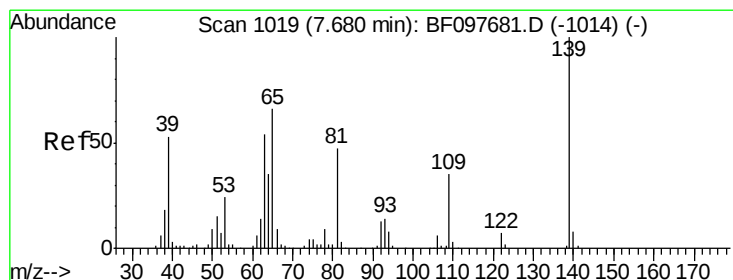
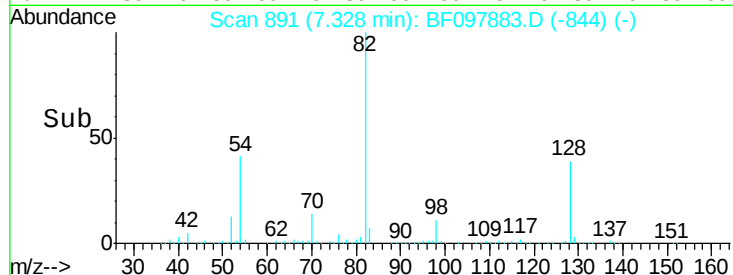
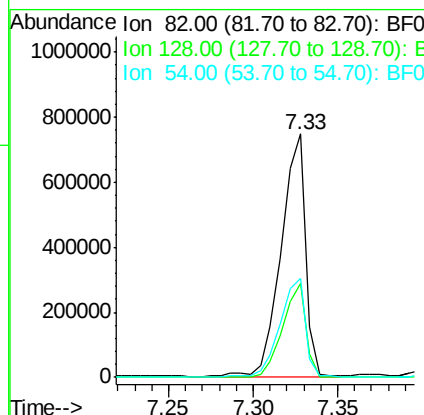
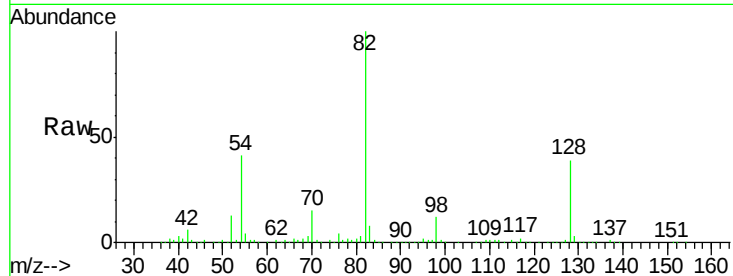




#23
 Nitrobenzene-d5
 Concen: 76.80 ng
 RT: 7.33 min Scan# 891
 Delta R.T. -0.02 min
 Lab File: BF097883.D
 Acq: 19 Aug 2017 17:15

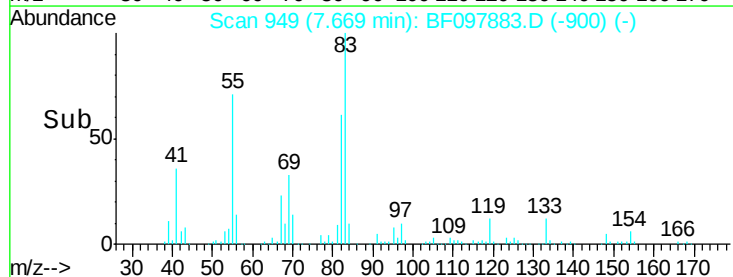
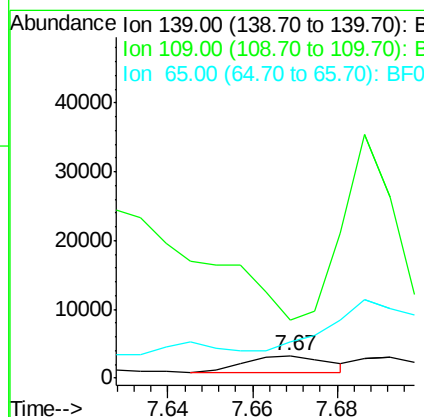
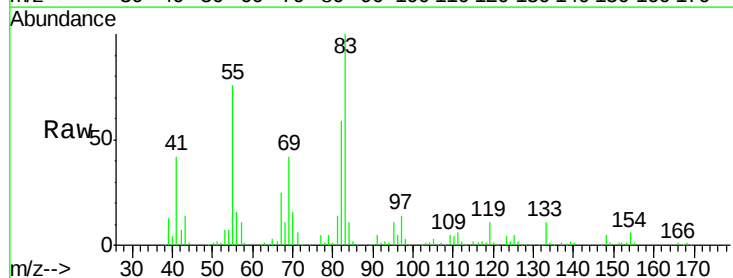
Instrument :
 BNA_F
 ClientSampleID :
 PI-4(25)

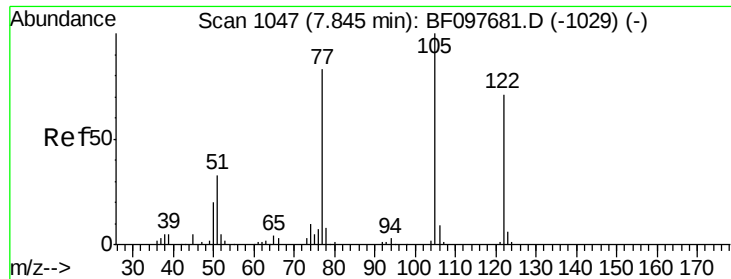
Tot Ion	82	Resp	749107
Ion Ratio	100	Lower	Upper
128	38.6	34.0	51.0
54	40.8	42.2	63.2#



#26
 2-Nitrophenol
 Concen: 6.03 ng
 RT: 7.67 min Scan# 949
 Delta R.T. -0.01 min
 Lab File: BF097883.D
 Acq: 19 Aug 2017 17:15

Tgt Ion	139	Resp	3416
Ion Ratio	100	Lower	Upper
109	256.9	21.0	31.6#
65	160.4	33.0	49.6#

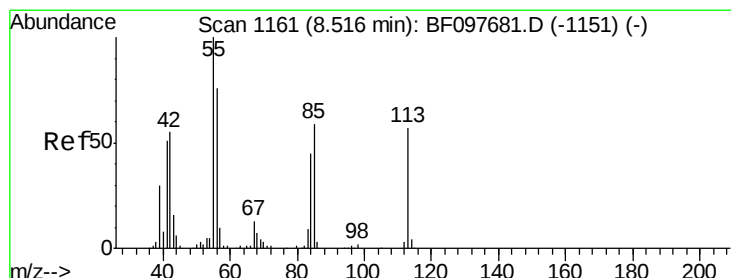
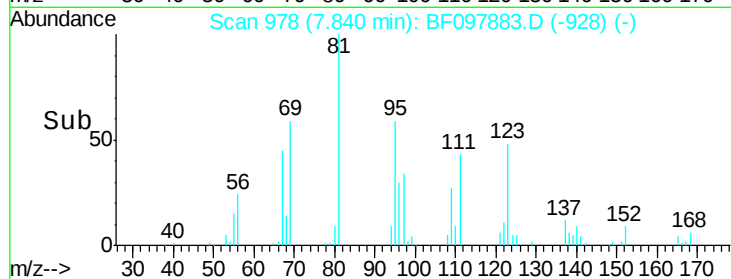
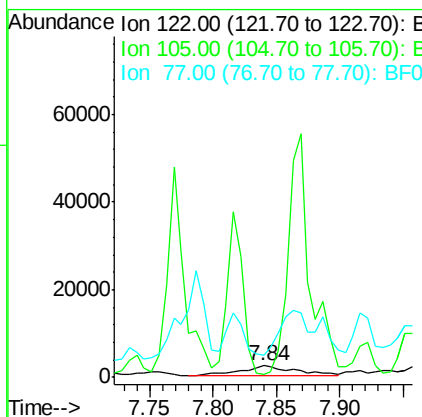
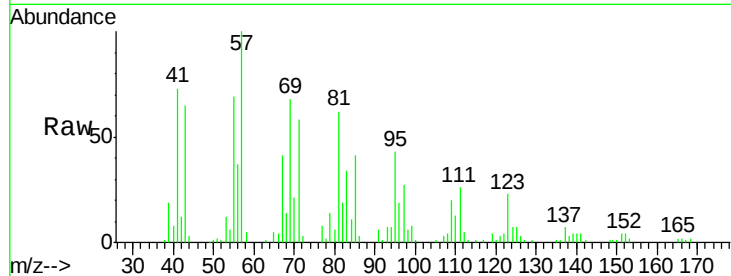




#32
Benzoic acid
Concen: 7.37 ng
RT: 7.84 min Scan# 978
Delta R.T. -0.01 min
Lab File: BF097883.D
Acq: 19 Aug 2017 17:15

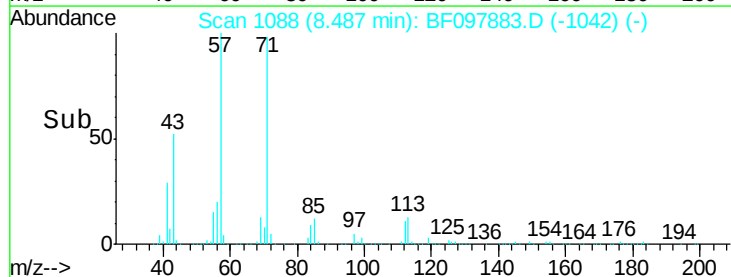
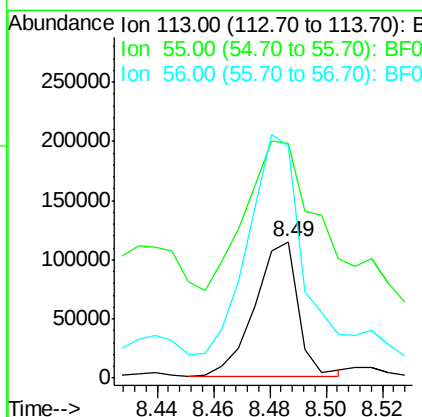
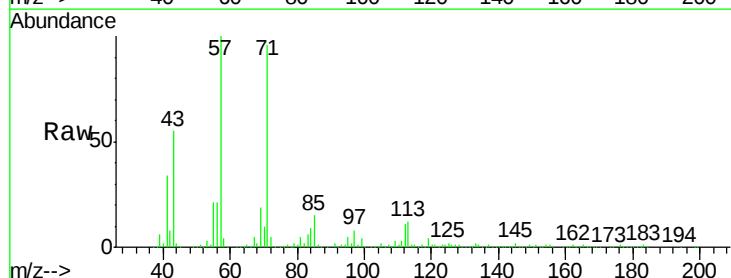
Instrument :
BNA_F
ClientSampleId :
PI-4(25)

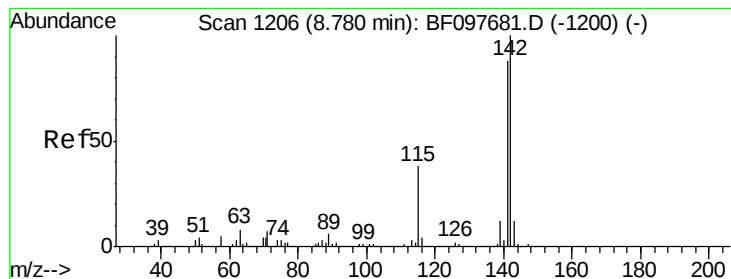
Tot Ion:122 Resp: 6894
Ion Ratio Lower Upper
122 100
105 28.6 103.3 143.3#
77 187.2 73.7 113.7#



#35
Caprolactam
Concen: 50.38 ng
RT: 8.49 min Scan# 1088
Delta R.T. -0.03 min
Lab File: BF097883.D
Acq: 19 Aug 2017 17:15

Tgt Ion:113 Resp: 120263
Ion Ratio Lower Upper
113 100
55 171.5 150.2 190.2
56 170.0 107.8 147.8#





#37

2-Methylnaphthalene

Concen: 5.52 ng

RT: 8.76 min Scan# 1135

Delta R.T. -0.02 min

Lab File: BF097883.D

Acq: 19 Aug 2017 17:15

Instrument :

BNA_F

ClientSampled :

PI-4(25)

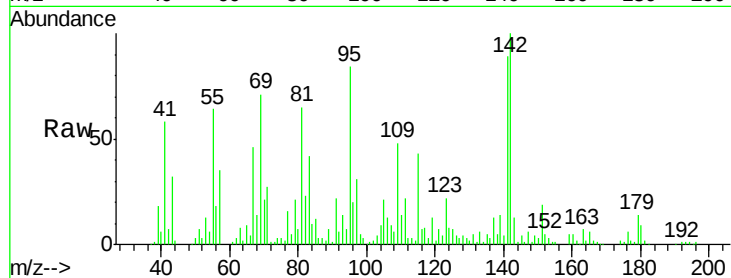
Tot Ion:142 Resp: 93067

Ion Ratio Lower Upper

142 100

141 89.4 71.3 106.9

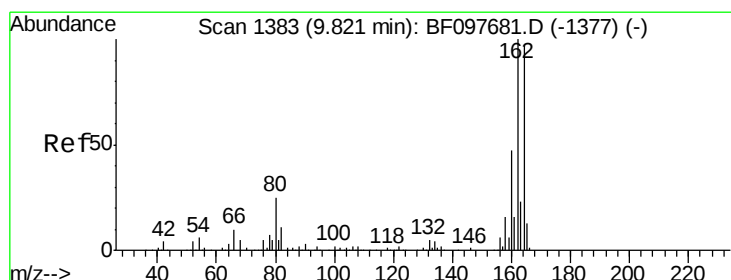
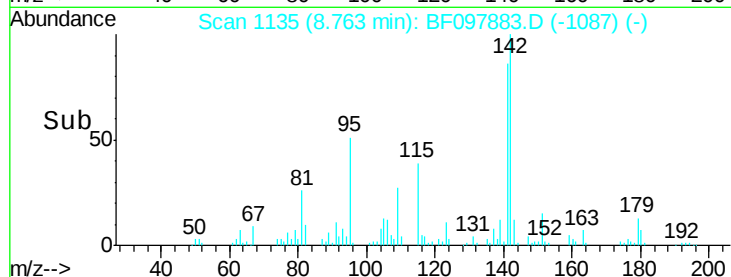
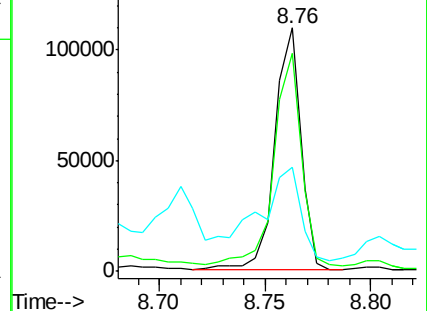
115 42.9 27.1 40.7#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.02 min

Lab File: BF097883.D

Acq: 19 Aug 2017 17:15

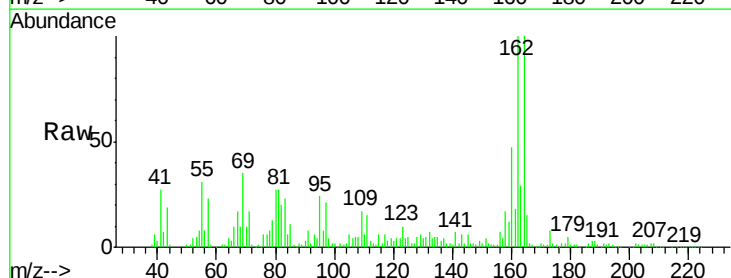
Tgt Ion:164 Resp: 235169

Ion Ratio Lower Upper

164 100

162 100.1 82.6 123.8

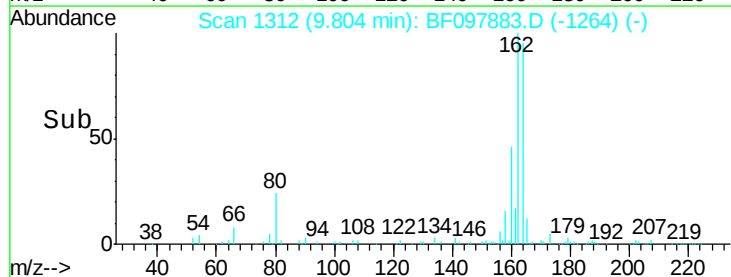
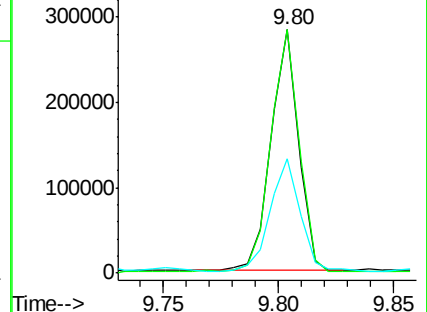
160 47.1 36.2 54.2

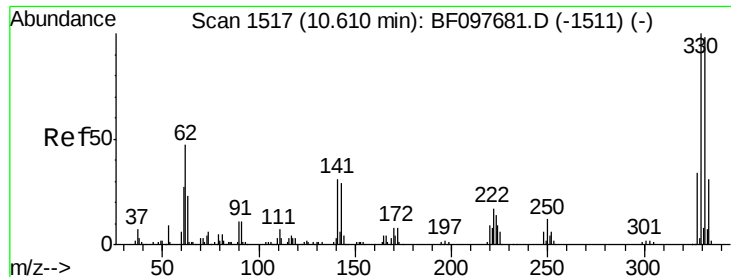


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

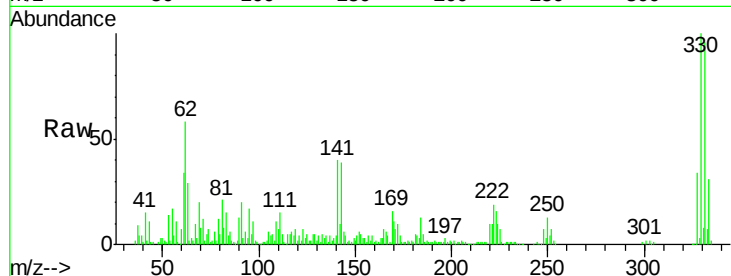




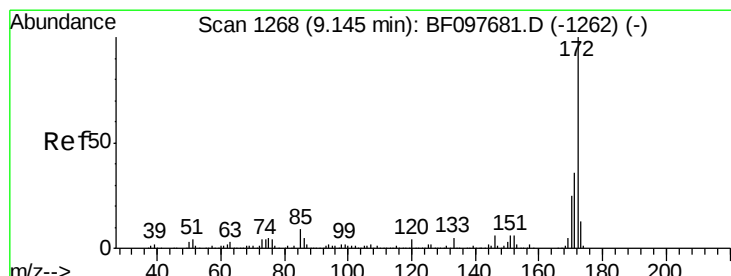
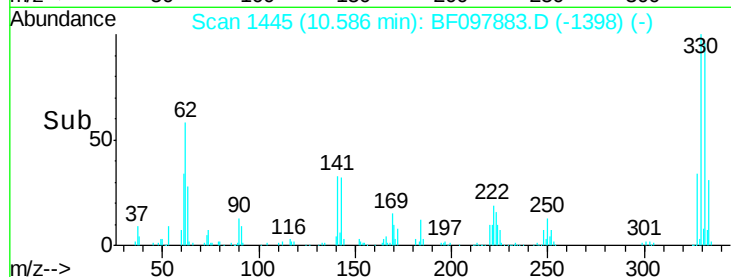
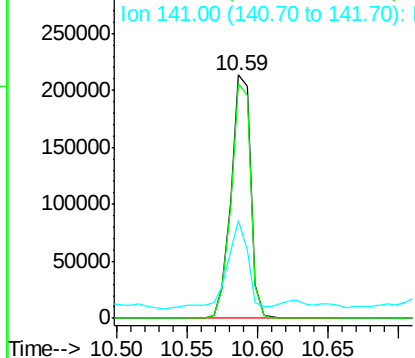
#41
 2,4,6-Tribromophenol
 Concen: 101.25 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.02 min
 Lab File: BF097883.D
 Acq: 19 Aug 2017 17:15

Instrument :
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Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.6	115.0
141	38.0	31.4	47.2

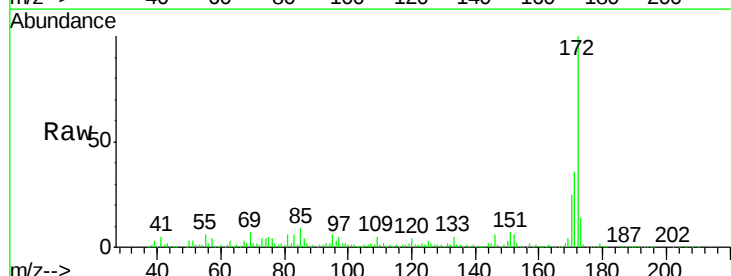


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

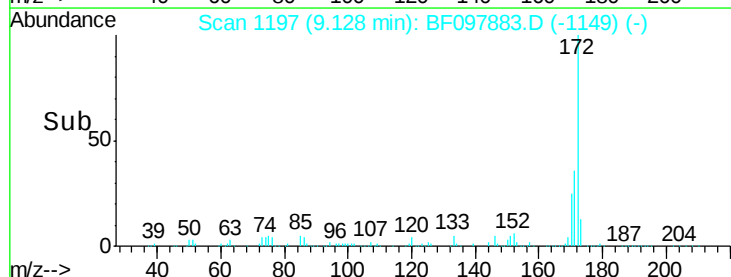
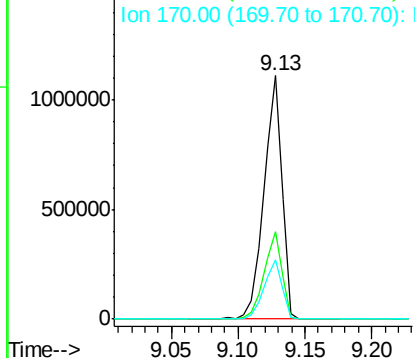


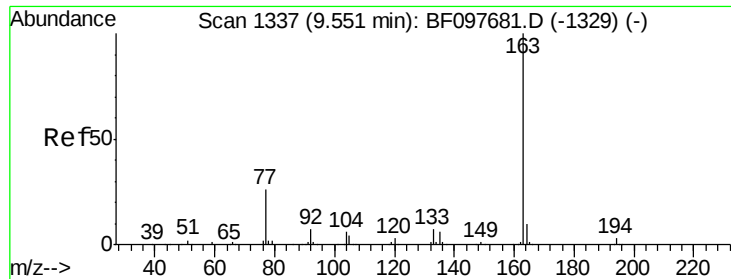
#44
 2-Fluorobiphenyl
 Concen: 64.37 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.02 min
 Lab File: BF097883.D
 Acq: 19 Aug 2017 17:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	24.6	19.8	29.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

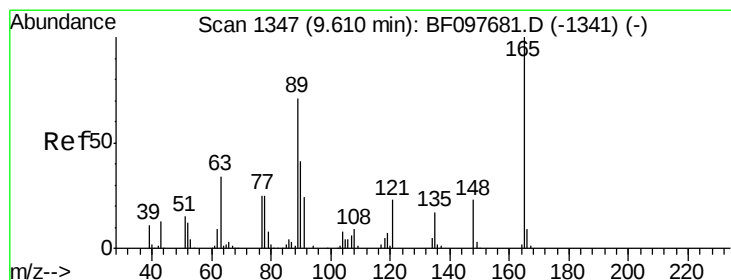
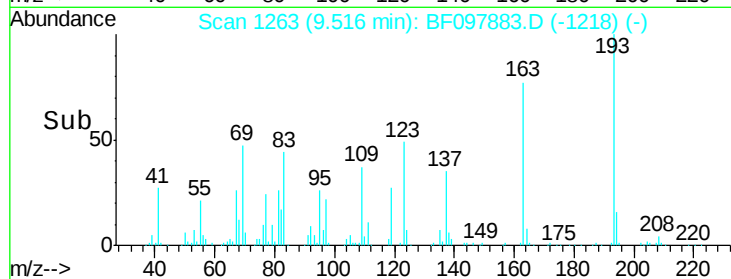
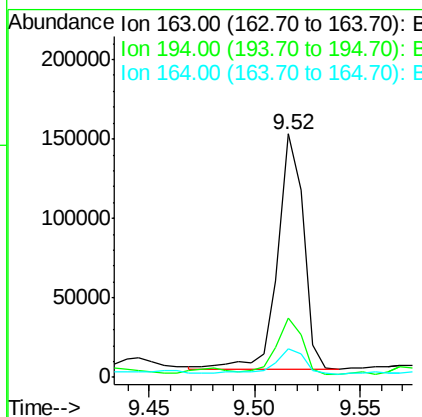
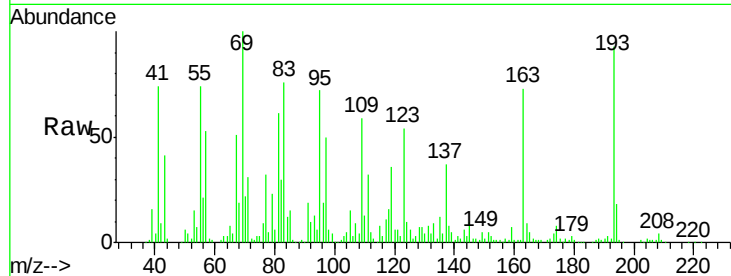




#49
Dimethylphthalate
Concen: 7.36 ng
RT: 9.52 min Scan# 1263
Delta R.T. -0.04 min
Lab File: BF097883.D
Acq: 19 Aug 2017 17:15

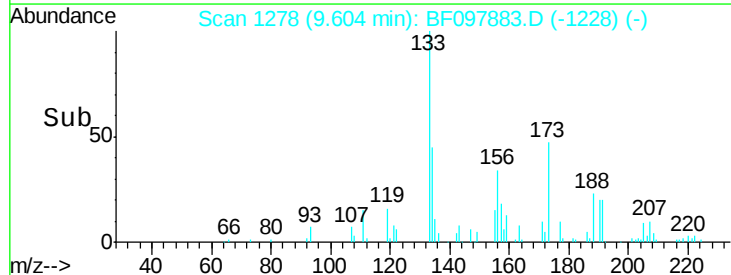
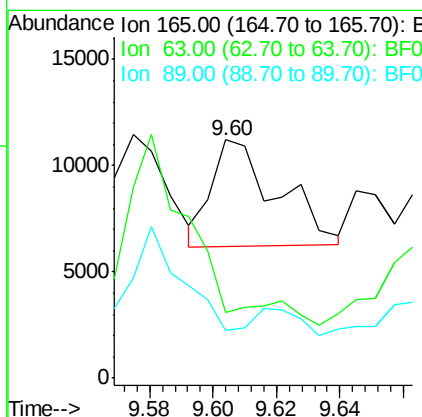
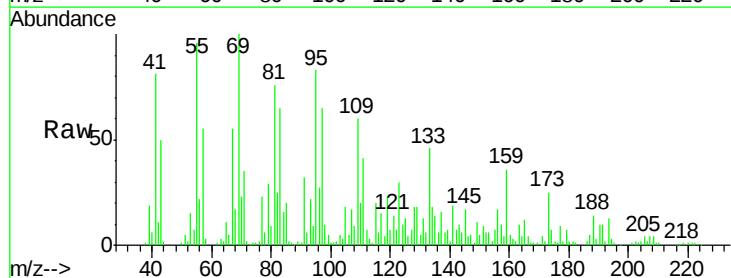
Instrument :
BNA_F
ClientSampleId :
PI-4(25)

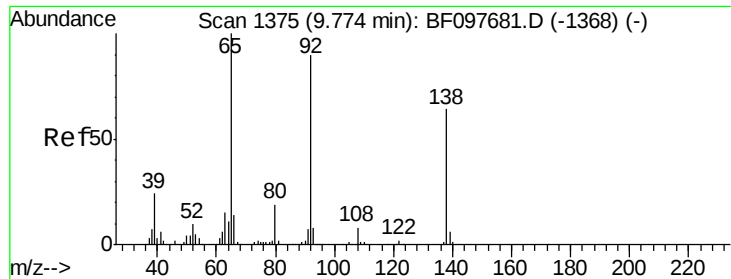
Tot Ion:163 Resp: 126540
Ion Ratio Lower Upper
163 100
194 24.4 2.6 4.0#
164 11.9 8.4 12.6



#50
2,6-Dinitrotoluene
Concen: 2.10 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF097883.D
Acq: 19 Aug 2017 17:15

Tgt Ion:165 Resp: 7190
Ion Ratio Lower Upper
165 100
63 27.5 34.3 51.5#
89 20.2 37.1 55.7#

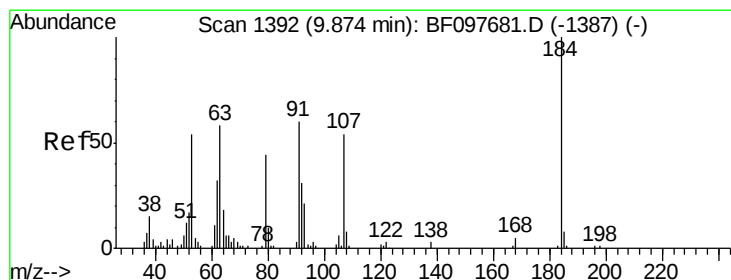
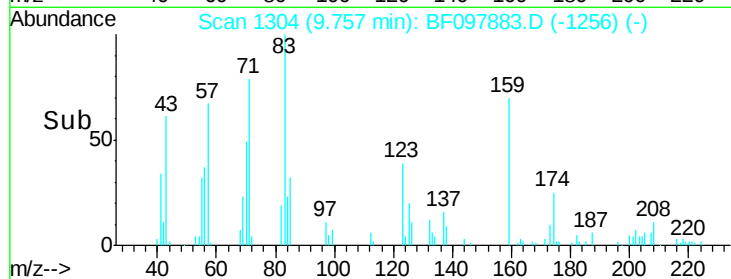
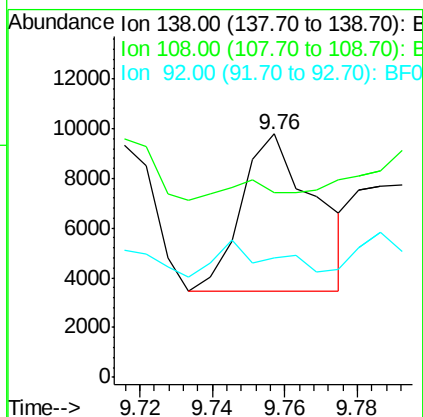
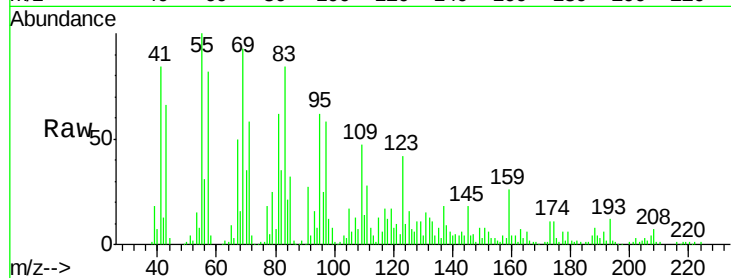




#52
3-Nitroaniline
Concen: 2.02 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.02 min
Lab File: BF097883.D
Acq: 19 Aug 2017 17:15

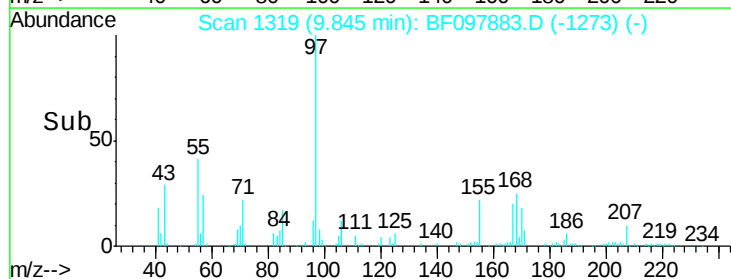
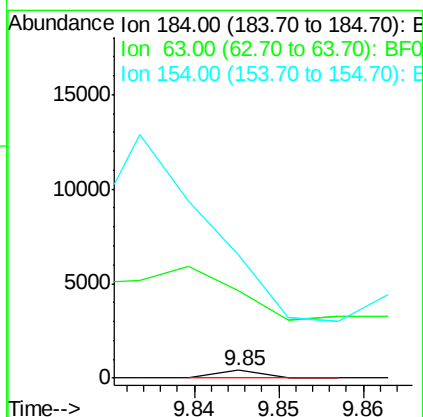
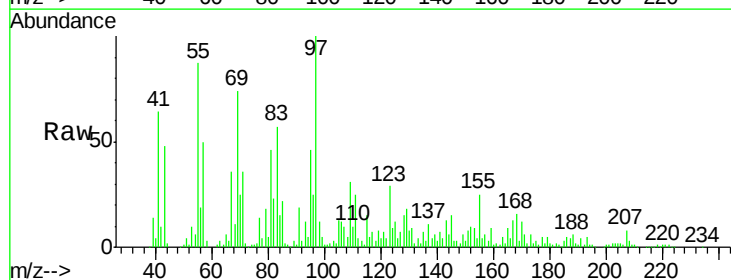
Instrument :
BNA_F
ClientSampleId :
PI-4(25)

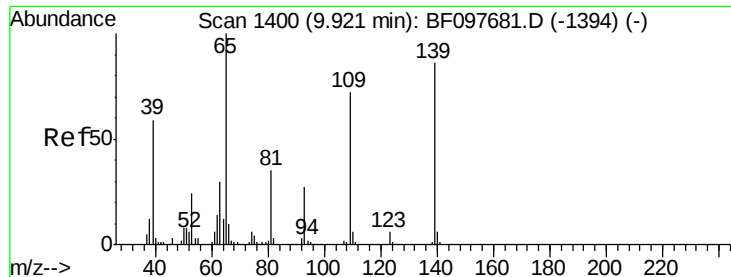
Tot Ion:138 Resp: 8944
Ion Ratio Lower Upper
138 100
108 75.8 9.1 13.7#
92 49.1 93.8 140.6#



#53
2,4-Dinitrophenol
Concen: 10.22 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.03 min
Lab File: BF097883.D
Acq: 19 Aug 2017 17:15

Tgt Ion:184 Resp: 149
Ion Ratio Lower Upper
184 100
63 1099.3 62.7 94.1#
154 1542.3 81.1 121.7#

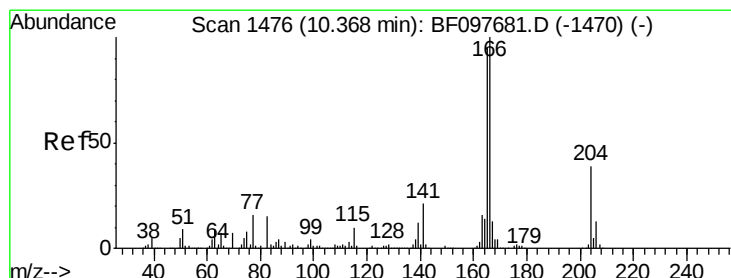
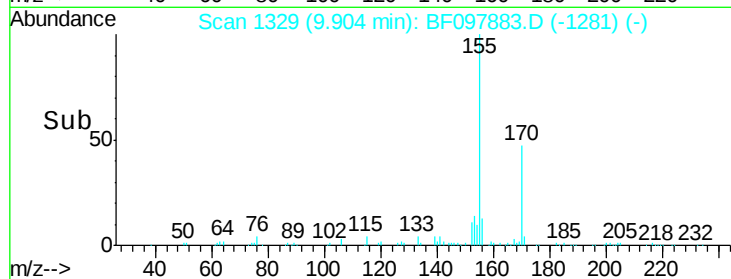
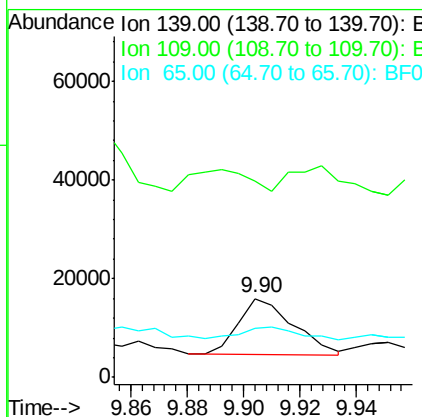
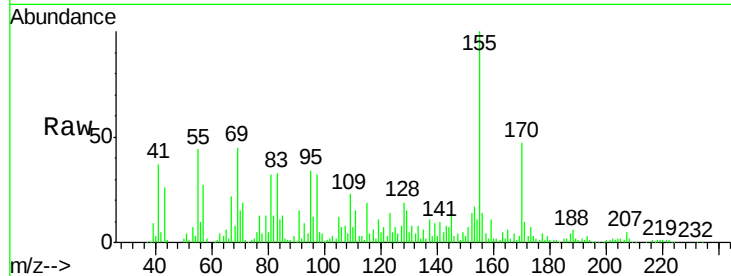




#55
4-Nitrophenol
Concen: 4.26 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.02 min
Lab File: BF097883.D
Acq: 19 Aug 2017 17:15

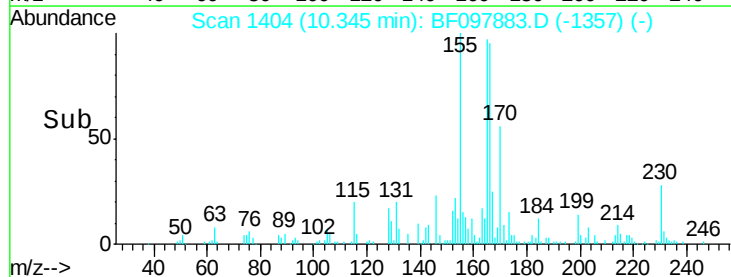
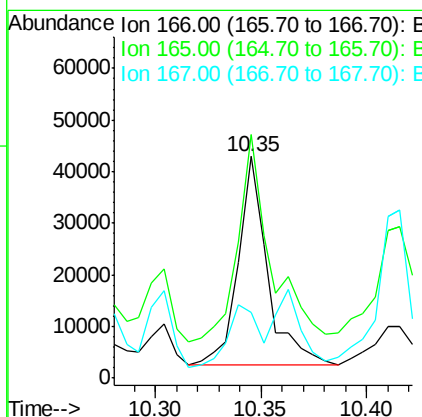
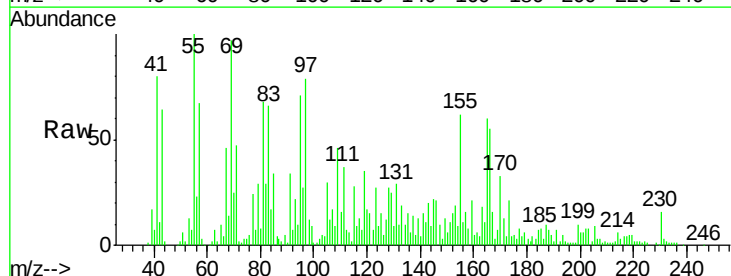
Instrument :
BNA_F
ClientSampleId :
PI-4(25)

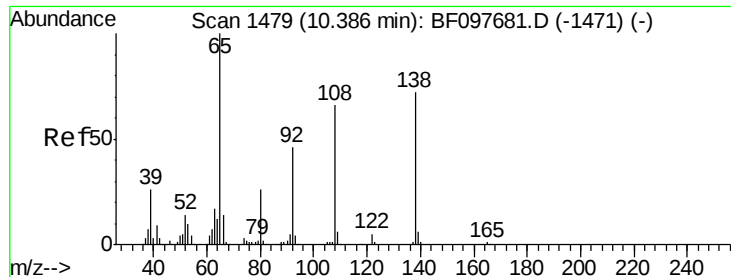
Tot Ion	Ratio	Lower	Upper
139	100		
109	249.2	34.1	74.1#
65	62.2	31.4	71.4



#57
Fluorene
Concen: 2.39 ng
RT: 10.35 min Scan# 1404
Delta R.T. -0.02 min
Lab File: BF097883.D
Acq: 19 Aug 2017 17:15

Tgt Ion	Ratio	Lower	Upper
166	100		
165	109.8	78.8	118.2
167	29.9	10.6	16.0#

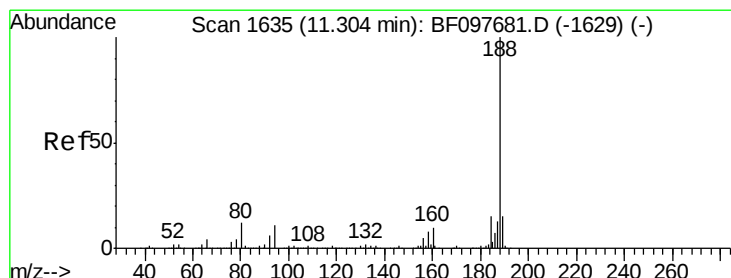
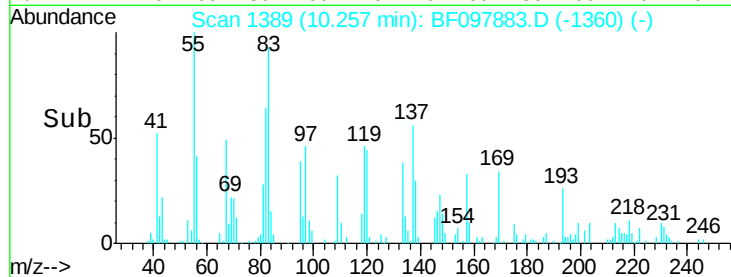
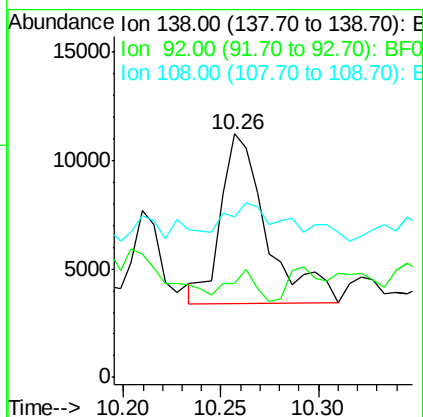
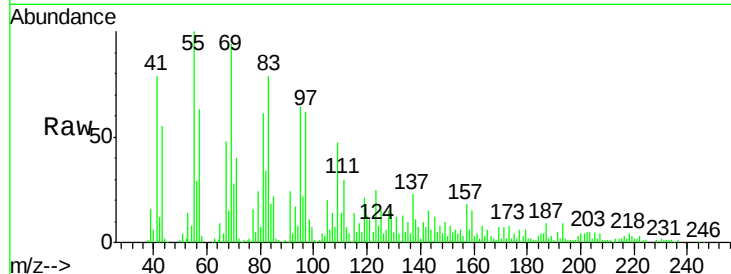




#61
4-Nitroaniline
Concen: 3.02 ng
RT: 10.26 min Scan# 1389
Delta R.T. -0.13 min
Lab File: BF097883.D
Acq: 19 Aug 2017 17:15

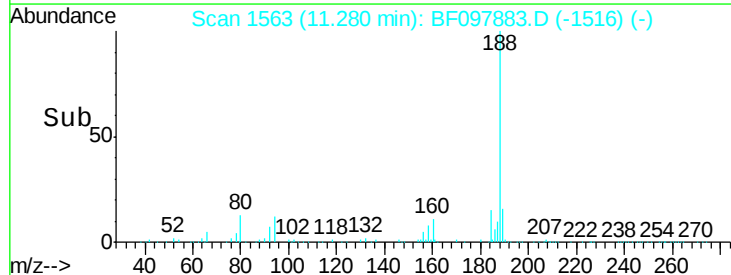
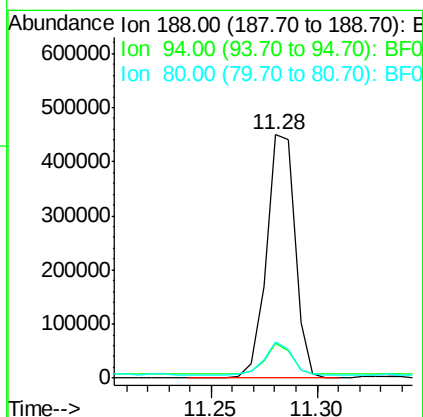
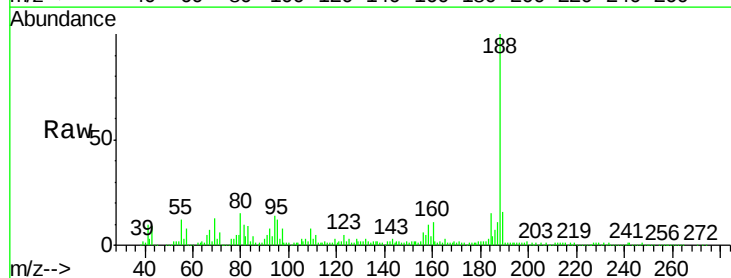
Instrument :
BNA_F
ClientSampleId :
PI-4(25)

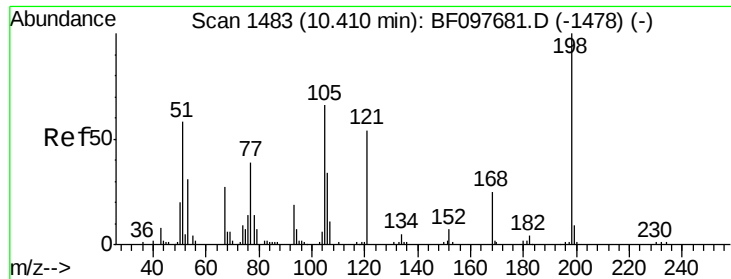
Tot Ion:138 Resp: 12701
Ion Ratio Lower Upper
138 100
92 38.7 21.8 61.8
108 66.0 42.3 82.3



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.28 min Scan# 1563
Delta R.T. -0.02 min
Lab File: BF097883.D
Acq: 19 Aug 2017 17:15

Tgt Ion:188 Resp: 421019
Ion Ratio Lower Upper
188 100
94 14.1 9.4 14.2
80 14.7 10.2 15.2

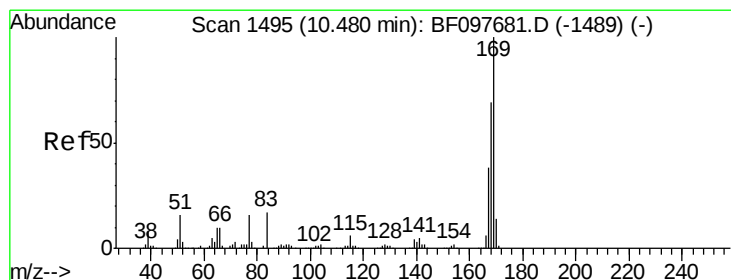
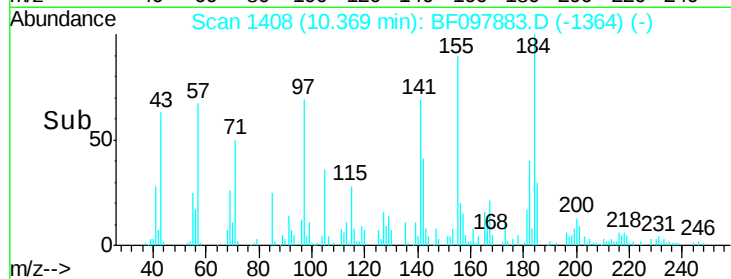
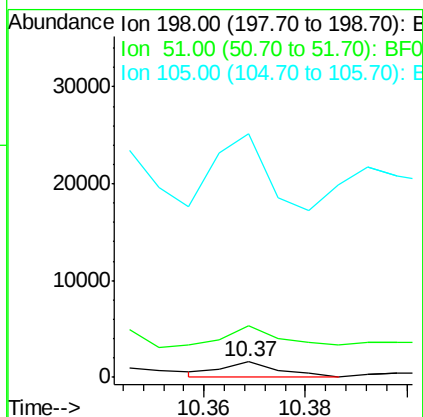
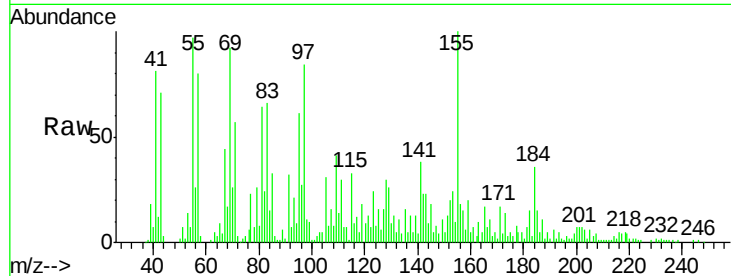




#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.86 ng
 RT: 10.37 min Scan# 1408
 Delta R.T. -0.04 min
 Lab File: BF097883.D
 Acq: 19 Aug 2017 17:15

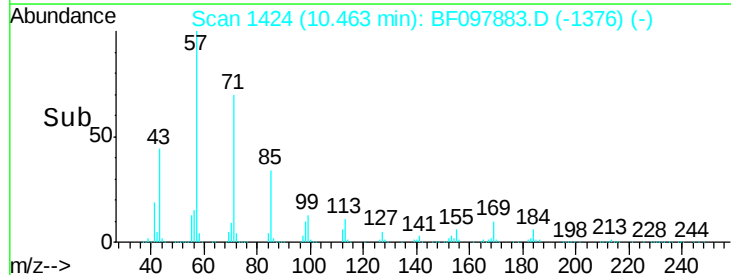
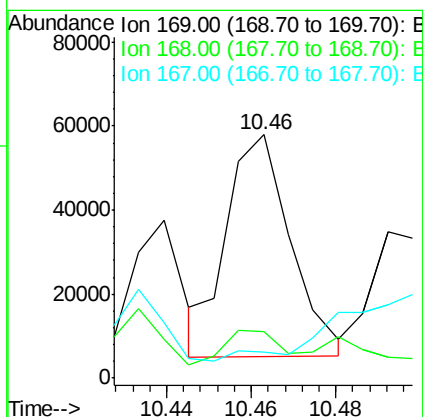
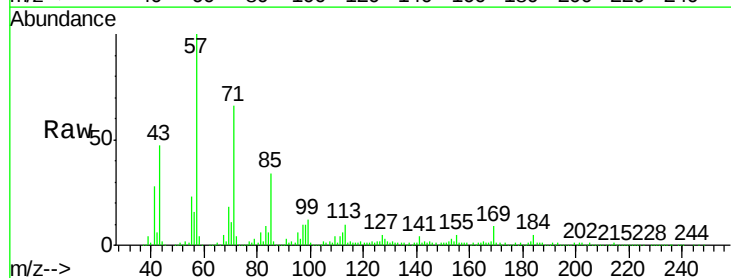
Instrument :
 BNA_F
 ClientSampleId :
 PI-4(25)

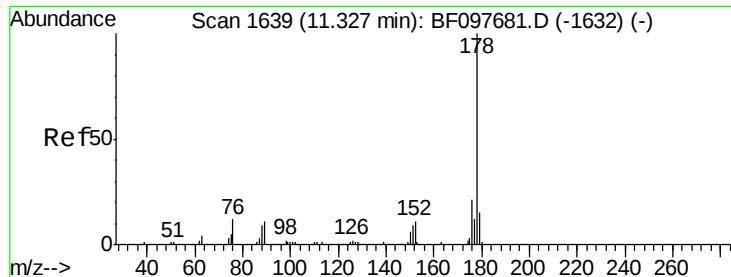
Tot Ion:198 Resp: 1297
 Ion Ratio Lower Upper
 198 100
 51 337.4 53.2 93.2#
 105 1601.0 45.8 85.8#



#65
 n-Nitrosodiphenylamine
 Concen: 3.90 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.02 min
 Lab File: BF097883.D
 Acq: 19 Aug 2017 17:15

Tgt Ion:169 Resp: 55899
 Ion Ratio Lower Upper
 169 100
 168 19.1 53.2 79.8#
 167 10.7 29.5 44.3#





#70

Phenanthrene

Concen: 2.47 ng

RT: 11.30 min Scan# 1567

Delta R.T. -0.02 min

Lab File: BF097883.D

Acq: 19 Aug 2017 17:15

Instrument :

BNA_F

ClientSampled :

PI-4(25)

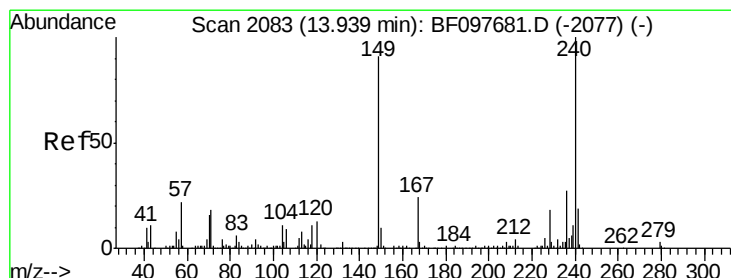
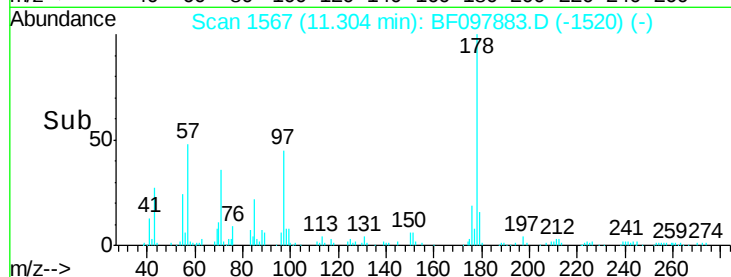
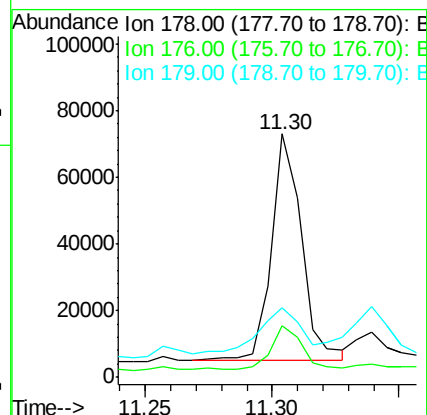
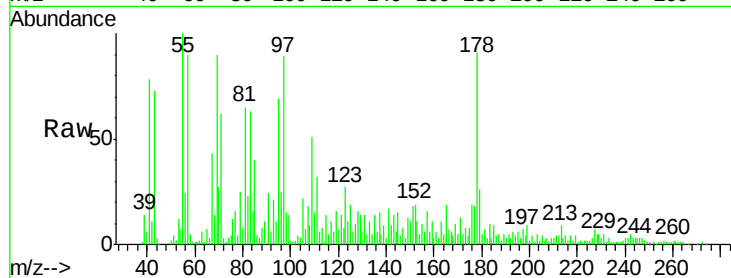
Tot Ion:178 Resp: 55416

Ion Ratio Lower Upper

178 100

176 21.0 16.2 24.4

179 28.7 12.6 19.0#



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.91 min Scan# 2010

Delta R.T. -0.03 min

Lab File: BF097883.D

Acq: 19 Aug 2017 17:15

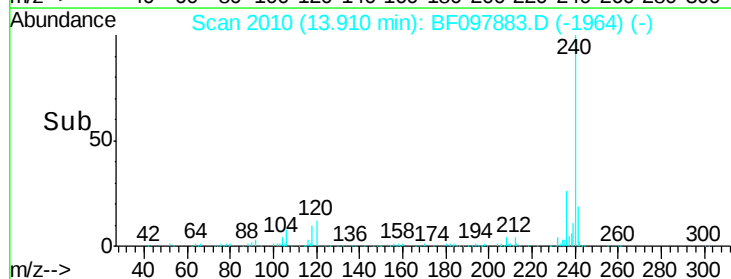
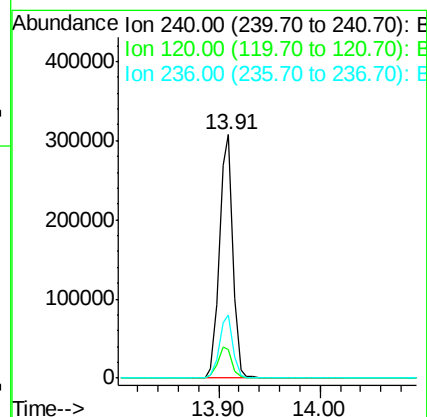
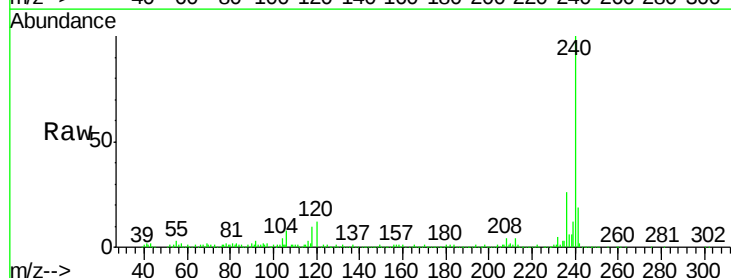
Tgt Ion:240 Resp: 284173

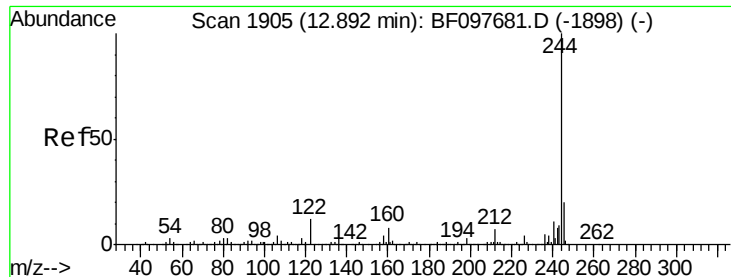
Ion Ratio Lower Upper

240 100

120 11.9 5.8 8.8#

236 25.9 20.5 30.7





#78

Terphenyl-d14

Concen: 57.33 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.02 min

Lab File: BF097883.D

Acq: 19 Aug 2017 17:15

Instrument :

BNA_F

ClientSampleId :

PI-4(25)

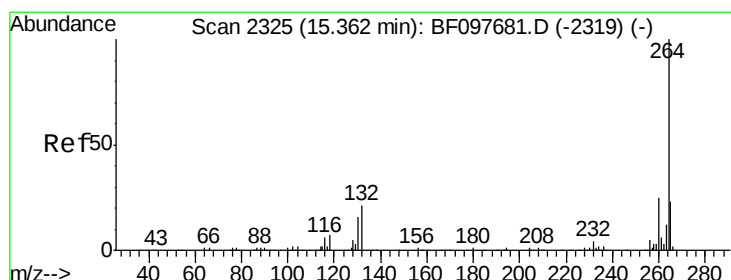
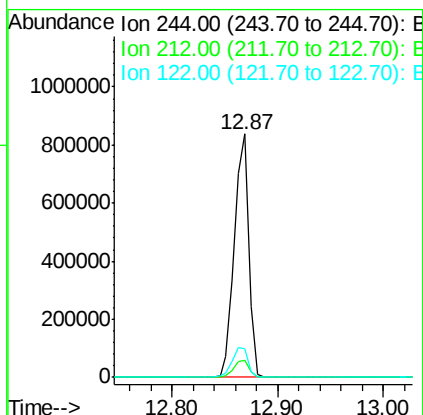
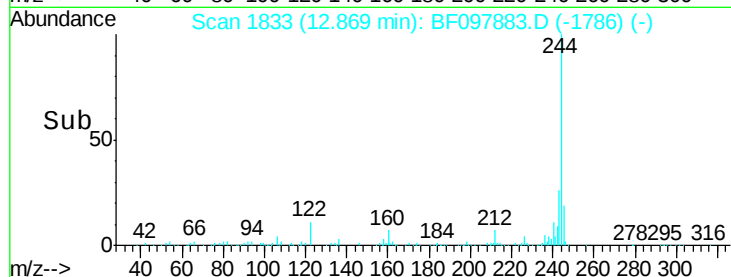
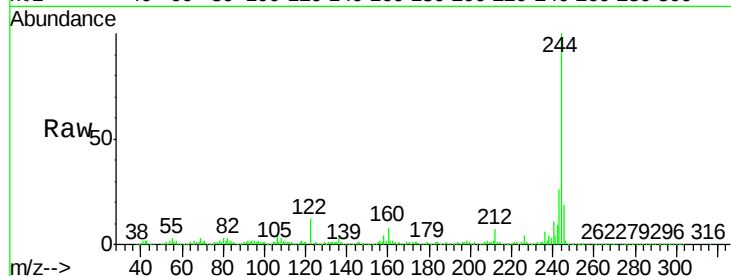
Tot Ion:244 Resp: 781265

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

122 11.8 10.3 15.5



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.33 min Scan# 2251

Delta R.T. -0.04 min

Lab File: BF097883.D

Acq: 19 Aug 2017 17:15

Tgt Ion:264 Resp: 261259

Ion Ratio Lower Upper

264 100

260 25.0 19.5 29.3

265 21.8 17.2 25.8

